



PASD BIOS ENGINEERING

Intel Corporation, 5200 NE Elam Young Parkway
Hillsboro, OR 97124-6497

DATE: February 7, 2005
PRODUCT: Winterpark Standard BIOS

P18-0059 (Production 18, build 0059)

About This Release:

- February 7, 2005
- WP87510A.86B.0059.P18.0502071117
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - Gigabit UNDI 1.2.26
 - 10/100Mbit UNDI 4.1.16
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.04
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 2204
 - CPU Microcodes: M0DF320A.PDB, M0DF330B.PDB, M1DF3414.PDB, M04F241E.PDB, M04F252B.PDB, M04F292E.PDB, M04F2737.PDB, M9DF4112.PDB

New Fixes/Features:

- Banner change.

Known Errata:

None

B24-0058 (Beta 24, build 0058)

About This Release:

- February 1, 2005
- WP87510A.86B.0058.B24.0502011134
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - Gigabit UNDI 1.2.26
 - 10/100Mbit UNDI 4.1.16
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.04
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 2204
 - CPU Microcodes: M0DF320A.PDB, M0DF330B.PDB, M1DF3414.PDB, M04F241E.PDB, M04F252B.PDB, M04F292E.PDB, M04F2737.PDB, M9DF4112.PDB

New Fixes/Features:

- Fixed issue where system event log would not display logged events in BIOS Setup.

Known Errata:

None

P17-0057 (Production 17, build 0057)

About This Release:

- November 5, 2004
- WP87510A.86B.0057.P17.0411051024
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - Gigabit UNDI 1.2.26
 - 10/100Mbit UNDI 4.1.16
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.04

- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v2.1-1 2204
- CPU Microcodes: M0DF320A.PDB, M0DF330B.PDB, M1DF3413.PDB, M04F241E.PDB, M04F252B.PDB, M04F292E.PDB, M04F2737.PDB, MBDF4109.PDB

New Fixes/Features:

- Banner change.

Known Errata:

None

B23-0056 (Beta 23, build 0056)

About This Release:

- November 3, 2004
- WP87510A.86B.0056.B23.0411031037
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - Gigabit UNDI 1.2.26
 - 10/100Mbit UNDI 4.1.16
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.04
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 2204
 - CPU Microcodes: M0DF320A.PDB, M0DF330B.PDB, M1DF3413.PDB, M04F241E.PDB, M04F252B.PDB, M04F292E.PDB, M04F2737.PDB, MBDF4109.PDB

New Fixes/Features:

- Updated 10/100Mbit UNDI ROM.
- Updated Gigabit UNDI ROM.
- Fixed issue where system was unable to PXE boot if the 3Ware 7506-4 PCI IDE card is installed.

Known Errata:

None

P16-0055 (Production 16, build 0055)

About This Release:

- April 29, 2004
- WP87510A.86B.0055.P16.0404291428
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.04
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 2204

New Fixes/Features:

- Banner change.

Known Errata:

None

B22-0054 (Beta 22, build 0054)

About This Release:

- April 28, 2004
- WP87510A.86B.0054.B22.0404271707
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.04

- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v2.1-1 2204

New Fixes/Features:

- Added support for higher current requirement processor.
- Changed memory configuration default to be ECC instead of Non-ECC.
- Changed “Desktop” POST strings to display “Server” instead.
- Fixed issue where Fast Chip Select (FAT) accidentally disabled with the correct configuration of memory.
- Updated processor microcode to latest revisions.

Known Errata:

None

B21-0053 (Beta 21, build 0053)

About This Release:

- April 19, 2004
- WP87510A.86B.0053.B21.0404161538
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.04
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 2204

New Fixes/Features:

- Updated Adaptec RAID Option ROM version.
- Updated FastTrak S150 TX4™ BIOS Version.

Known Errata:

None

P15-0052 (Production 15, build 0052)

About This Release:

- March 19, 2004
- WP87510A.86B.0052.P15.0403191010
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 1231

New Fixes/Features:

- Banner change.

Known Errata:

None

B20-0051 (Beta 20, build 0051)

About This Release:

- March 18, 2004
- WP87510A.86B.0051.B20.0403181346
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1

- Adaptec RAID BIOS v2.1-1 1231

New Fixes/Features:

- Fixed issue where system is bounced back when entering S3 after a few attempts.

Known Errata:

None

P14-0050 (Production 14, build 0050)

About This Release:

- March 16, 2004
- WP87510A.86B.0050.P14.0403161723
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 1231

New Fixes/Features:

- Banner change.

Known Errata:

None

B19-0049 (Beta 19, build 0049)

About This Release:

- March 11, 2004
- WP87510A.86B.0049.B19.0403111307
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 1231

New Fixes/Features:

- Fixed issue when mouse is not installed the system will not boot to on-board IDE RAID controller.

Known Errata:

None

B18-0048 (Beta 18, build 0048)

About This Release:

- March 9, 2004
- WP87510A.86B.0048.B18.0403091638
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v2.1-1 1231

New Fixes/Features:

- Added dual Adaptec ICH5R Option ROM support.

Known Errata:

None

P13-0047 (Production 13, build 0047)

About This Release:

- February 19, 2004
- WP87510A.86B.0047.P13.0402191234
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v1.0

New Fixes/Features:

- Banner change.

Known Errata:

None

B17-0046 (Beta 17, build 0046)

About This Release:

- February 18, 2004
- WP87510A.86B.0046.B17. 0402181010
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v1.0

New Fixes/Features:

- Fixed hang in BIOS Setup when displaying Hardware Monitoring page with certain PCI cards installed.

Known Errata:

None

P12-0045 (Production 12, build 0045)

About This Release:

- February 5, 2004
- WP87510A.86B.0045.P12. 0402051009
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v1.0

New Fixes/Features:

- Banner change.

Known Errata:

None

B16-0044 (Beta 16, build 0044)

About This Release:

- February 3, 2004
- WP87510A.86B.0044.B16.0402021622
- BIOS Size: 8Mb – FWH=N82802AC

- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Added enhancement for Prescott CPU support.

Known Errata:

None

P11-0043 (Production 11, build 0043)

About This Release:

- January 23, 2004
- WP87510A.86B.0043.P11.0401222116
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v1.0

New Fixes/Features:

- Banner change.

Known Errata:

None

B15-0042 (Beta 15, build 0042)

About This Release:

- January 22, 2004
- WP87510A.86B.0042.B15.0401222004
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v1.0

New Fixes/Features:

- Fixed E7 hang issue

Known Errata:

None

P10-0041 (Production 10, build 0041)

About This Release:

- December 04, 2003
- WP87510A.86B.0041.P10.0312041040
- BIOS Size: 8Mb – FWH=N82802AC
 - Core Baseline version 01.03.00
 - UNDI 4.1.10
 - FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
 - SATA150 TX4(tm) BIOS Version 1.00.0140.1
 - Adaptec RAID BIOS v1.0

New Fixes/Features:

- Banner change.

Known Errata:

None

B14-0040 (Beta 14, build 0040)**About This Release:**

- December 03, 2003
- WP87510A.86B.0040.B14.0312031029
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Fixed issue where SSID field of Promise controller will reverted back to read-write attribute when coming out of S3.

Known Errata:

- None

P09-0039 (Production 09, build 0039)**About This Release:**

- October 30, 2003
- WP87510A.86B.0039.P09.0310302348
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Banner change.

Known Errata:

None

B13-0038 (Beta 13, build 0038)**About This Release:**

- October 30, 2003
- WP87510A.86B.0038.B13.0310301544
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Added support for higher current requirement processor.

- Fixed issue where entering "Hardware Monitor screen" in BIOS setup will cause system hang if a Promise FastTrakTX2000 PCI card is in PCI slot 3 and two IDE drives are attached to the controller.
- Translation fix for Japanese language.
- Fixed intermittent false Memory Timing error that occurs after flash updating a VPD
- Added a workaround to boot from WinXP recovery CD.
- Fixed issue where system was unable to PXE boot if the 3Ware 7506-4 PCI IDE card is installed.
- Fixed issue where SSID field of Promise controller was failed to lock as read only register.

Known Errata:

- None

P08-0037 (Production 08, build 0037)

About This Release:

- October 15, 2003
- WP87510A.86B.0037.P08.0310150825
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Banner change.

Known Errata:

None

B12-0036 (Beta 12, build 0036)

About This Release:

- October 14, 2003
- WP87510A.86B.0036.B12.0310141141
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Fix ECC initialization issue (hang at 08h) after added 2-2-2 DIMM support.
- Fixed issue where system would not log single or multi-bit ECC errors after added BBS-relocation code.
- Added support for new processor.

Known Errata:

- None

B12-0035 (Beta 12, build 0035)

About This Release:

- September 26, 2003
- WP87510A.86B.0035.B12.0309261529
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10

- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Added Prescott support.
- Added Desktop Control Center (aka ETK) support.
- Changed display of DDR333 to DDR320 when used with a P4 800 FSB Processor
- Added Flash5 Phase 2 support & enhancement to flash update algorithm.
- Fixed a system hang problem during POST with ATECH Flash USB Flash card reader/writer.
- Fixed an issue of User scan Point (BEL test F-1) was not being executed.
- Moved BBS area from VPD block to backup block.
- It has memory reference code 1.4
- Fixed issue where system would hang at D4h when user enabled the memory timing override (user defined mode)
- Fixed an issue where Power Button override when going into S3 caused system to hang on resume.

Known Errata:

- None

P07-0034 (Production 07, build 0034)

About This Release:

- August 4, 2003
- WP87510A.86B.0034.P07.0309040220
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Banner change.

Known Errata:

None

B11-0033 (Beta 11, build 0033)

About This Release:

- September 4, 2003
- WP87510A.86B.0033.B11.0309041038
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Fixed the issue where PXE boot does not work anymore when SATA drives were connected to Promise controller.

Known Errata:

- None

P06-0032 (Production 06, build 0032)

About This Release:

- August 6, 2003
- WWP87510A.86B.0033.B11.0309041038
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Banner change.

Known Errata:

None

B10-0031 (Beta 10, build 0031)

About This Release:

- August 4, 2003
- WP87510A.86B.0031.B10.0308041500
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.10
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.03
- SATA150 TX4(tm) BIOS Version 1.00.0140.1
- Adaptec RAID BIOS v1.0

New Fixes/Features:

- Added Adaptec ICH5R support to Winterpark
- Fixed issue where the PCI slot information etched on the board does not agree with what is loaded into SMBIOS table.
- Green LED blinking at standby state instead of yellow LED.
- Fan control default to disable as per TME request.
- Updated default Fan control setting per RPG request for Winterpark.
- Added enhancement to flash update algorithm.
- Drop Int15h Function#DA9Fh support after POST as per Adaptec ICH5 Piracy Prevention Doc 1.6.
- Fixed a issue where Memtest86 utility hangs when USB legacy support is enabled.
- Synch up memory initialization code to memory reference code release 1.3.
- Fixed issue where flashing user logo to user binary area will cause POST hang at 37h.
- Fixed issue where user logo failed to display if flashing logo base off P03 BIOS.
- Updated string translations for Winterpark customized string tokens.

Known Errata:

- None

P05-0030 (Production 05, build 0030)

About This Release:

- July 07, 2003
- WP87510A.86B.0030.P05.0307072353
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Banner change.

Known Errata:

None

B09-0029 (Beta 09, build 0029)**About This Release:**

- June 23, 2003
- WP87510A.86B.0029.B09.0306231028
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Implemented piracy prevention mechanism for Adaptec ICH5R RAID support.
- Fixed an issue where Promise SATA drives are slow to respond coming out of S3.
- Added Express BIOS Update (EBU) version 2.01. This fixes an issue where Intel Active Monitor SMBIOS driver is disabled after a FlexBIOS EBU update
- Enable BIS support in SMBIOS.
- Fixed issue with Maxtor SATA drive that was randomly not detected upon power cycles.

Known Errata:

- None

P04-0028 (Production 04, build 0028)**About This Release:**

- June 19, 2003
- WP87510A.86B.0028.P04.0306191041
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Banner change.

Known Errata:

None

B08-0027 (Beta 08, build 0027)**About This Release:**

- June 17, 2003
- WP87510A.86B.0027.B08.0306171147
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Fixed issue where EBU current to current fails when non-ECC memory and a HT processor are used, after rebooting locks at D4.
- Added manual PCI IRQ routing to the BIOS.
- Lowered power consumption of Tanacross LAN when system is in S5.
- Added ECC fast initialization support for Canterwood

- Added switches ID for the SATARAID.EXE utility version 0.1.0.0.
- Fixed issue where keyboard error is reported when serial console redirection is enabled without keyboard attached.
- Fixed an issue that caused a delay when booting to a floppy after attempting to boot to a non-bootable CD with two SATA drives attached.
- Fixed an issue where the Event Log could not be cleared by setting a CMOS token.
- Fixed issue where Windows XP legacy-to-native IDE runtime mode switching was not functioning.

Known Errata:

- None

P03-0026 (Production 02, build 0026)

About This Release:

- May 29, 2003
- WP87510A.86B.0026.P03.0305291054
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Banner change.

Known Errata:

None

B07-0025 (Beta 07, build 0025)

About This Release:

- May 20, 2003
- WP87510A.86B.0025.B07.0305201720
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Set Center Spread by default
- Fixed the issue where ICH5 Century byte makes system hang at post code 20
- Fixed the issue where boot block failed to recovery when BIOS flash update failed
- Added 9600 BAUD for serial redirection access

Known Errata:

- None

P02-0024 (Production 02, build 0024)

About This Release:

- May 19, 2003
- WP87510A.86B.0024.P02.0305191052
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Banner change.

Known Errata:

- None

B06-0023 (Beta 06, build 0023)**About This Release:**

- May 15, 2003
- WP87510A.86B.0023.B06.0305150950
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Fixed multi-bit ECC error not being displayed in SETUP.
- Fixed boot block fault tolerance test failure.
- Fixed Hardware Monitoring for fan control
- Disable ECC Event logging when ECC memory is not installed. Automatically Enable ECC Event Logging when ECC memory is installed.
- DDR Memory fix for Corsiar DDR 400 6-2-2-2 DIMM issue.
- Added 875 workaround to fix CKE glitch issue during S3 suspend/resume.
- Include iflash2 status report in the BIOS.
- New flash 5 BIOS update sound.
- Fixed Intel SATA RAID and SCSI RAID card support.
- Server logo enhancement.
- Fixed DMI info for LDCM software.

Known Errata:

- None

P01-0021 (Production 01, build 0021)**About This Release:**

- April 28, 2003
- WP87510A.86B.0021.P01.0304281200
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Banner change.

Known Errata:

- None

B04-0018 (BETA 04, build 0019)**About This Release:**

- April 24, 2003
- WP87510A.86B.0019.B04.0304241235
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Fixed issue where Promise 4 port SATA switch still appear on 2 port sku.
- PCI SSID's still able to be propagated when NIC#1 is disabled.
- Fixed issue where Winterpark fabC can not run Megaraid Config Utility on Megaraid 320-2
- Change product name to S875PWP1 as per TME requirement
- Added fan 5 support (monitored by PA1.5)
- Added hi-resolution new server logo
- Only show ECC event logging switch if all installed DIMMs are ECC.
- Removed Intel badge & small logo support
- Fixed issue where serial console redirection code duplicate error reporting on screen
- Added in ability to flag spd tolerant dimm correction in setup with a star after the dimm slot description
" *"
- Fixed check point C9 hang issue inside Tanacross LAN workaround
- Fixed ddr333/400 timing mismatches to result in ddr333 memory frequency rate at 2.5 cl val instead of ddr266 rate.
- Fixed false memory test post time error message when no failures and when dual channel optimization message needs to appear.
- Fixed issue where Tanacross does not allow S4 wake.
- Fixed SMBIOS Memory Data Test failure.
- If in single channel mode need to see if configuration is optimal and if not set up CMOS bit flags for later display of solutions in POST-TIME screen and status in Setup Screen.

Known Errata:

None

B03-0018 (BETA 03, build 0018)

About This Release:

- April 09, 2003
- WP87510A.86B.0018.B03.0304091433
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08
- FastTrak S150 TX4 (tm) BIOS Version 1.00.0140.1
- SATA150 TX4(tm) BIOS Version 1.00.0140.1

New Fixes/Features:

- Update to memory ref. code rev 1.2
- Added high resolution P4 server logo
- Added Promise 4 Port SATA support
- Added NIC switch support as the means to toggle between Promise 4 port SATA/RAID mode.
- Set default languages as Spanish & English as per EPSD TME request.
- Added Tanacross disabling workaround through SIO.
- Fixed PCI PME# wake failures in WHQL HCT 11.1a Foxfire
- Added w/a for SATA COMINIT failure.
- Updated ICH5 code as per ICH5bsu1.1
- Porting the fix for WHQL HCT 11.1a Unreported Memory failure with the USB data area being relocated to TOM.
- Fixed ECC event logging failures.
- Added NIC switch support as the means to toggle between Promise 4 port SATA/RAID mode.
- Added NIC SSDID propagation support as per EPSD requirement.
- Fixed issue where on-board ATI Rage video could not be disabled on FAB C board
- Ensure all on-board devices are enabled in manufacturing & config mode regardless to user setting
- Set default languages as Spanish & English as per EPSD TME request
- Added fix for issue where on board ATI Rage video lost after BIOS update using iflash utility.
- Added work around for SATA COMINIT failure.
- Added translation for Memory Mode: Single Channel and Dual Channel
- Fixed USB Zip drive emulation type functionality.
- Added the ability to recover from non-bootable CD media (ISO9660 format).
- Fixed issue where the IOI Media Bay device (USB MASS Storage device) locks the system at boot.
- Added workaround for "SATA PIO mode down shift issue".
- Lowered power consumption of Tanacross LAN when system is in S5.

Known Errata:

None

B02-0017 (BETA 02, build 0017)

About This Release:

- March 28, 2003
- WP87510A.86B.0017.B02.0303280954
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08

New Fixes/Features:

- Added Intel Soft RAID support
- Added Intel Server Board logo.

Known Errata:

- None

B01-0009 (BETA 01, build 0009)

About This Release:

- March 11, 2003
- WP87510A.86B.0009.B01.0303011022
- BIOS Size: 8Mb – FWH=N82802AC
- Core Baseline version 01.03.00
- UNDI 4.1.08

New Fixes/Features:

- It has Canterwood MRC 1.0.
- Fixed WHQL unreported memory/IO port.
- Fixed duplicated device string reported in BBS.
- Fixed standby time out issue in MFG mode.
- Took out EE beep in memory initialization to speed up S3 resume time and Rapid BIOS boot.
- Fixed power button issue when remote locked out was occurred.
- Fixed system hung issue when user flash was conducted.
- ACPI/PCI interrupt routing test failure was due to test limitation.
- Fixed LDCM invalid DMI information and made DMI match silk screen on DIMM slots
- Removed AC loss failure option in APM mode.
- Fixed ITKMAP failure during release process.
- Added COM B support.
- Updated processor frequency display in POST and in Setup to handle newest processors.
- Removed burn-in support
- Remvoed ICH5R soft raid support.
- Fixed system hang during SMBus ARP with certain memory sticks installed
- Removed the UDMA mode-6 support as ICH5 doesn't support it currently.
- Renamed Tanacross and Kennereth to Gagabit NIC and 10/100 NIC
- Renamed memory slot to DIMM slot in setup
- Took out Desktop small logo from Winterpark board.
- Added suffix "C" behind CPU speed for FSB 800Mhz NWD, and corrected no "A" for NWD Celeron.

Known Errata:

- Promise SATA not fully supported yet. Promise is working on development.
- This BIOS does not support Canterwood A2 stepping. WP fab-b with A2 stepping will be built in next two weeks. We will release B01 BIOS to take care of this issue.

Notes to Validation:

This release is to prepare for FAB-B power on.

B00-0003 (BETA 00, build 0003)

About This Release:

- Jan 31, 2003
- WP87510A.86B.0003.B00.0301311814

- Core Baseline version 01.03.00
- UNDI 4.1.08

New Fixes/Features:

- Beta release after B00-0002.
- Fixed duplicating devices issue in BBS when USB devices were connected in the system.
- If you have D-0000 BIOS on Winterpark board, please flash in B00-0002 BIOS with B00-0002 conversion files. The URL to get conversion files is
<http://dpsd.intel.com/data1/BIOS/D875WPXXXX/B00-02CV_0_1.ZIP>

Please refer B00-0002 release note to do BIOS conversion. If you already had D-0001 or B00-0002 BIOS on Winterpark, you don't have to do this step. Just do normal iflash procedure.

Known Errata:

- Promise SATA not fully supported yet. Promise is working on development.
- This BIOS does not support Canterwood A2 stepping. WP fab-b with A2 stepping will be built in next two weeks. We will release B01 BIOS to take care of this issue.

Notes to Validation:

- This release complies with the BIOS milestone schedule, revision 0.96.
- Please use 8Mb flash FWH.

B00-0002 (BETA 00, build 0002)**About This Release:**

- Jan 30, 2003
- WP87510A.86B.0002.B00.0301291836
- Core Baseline version 01.03.00
- UNDI 4.1.08

New Fixes/Features:

- Beta release after power on D-0000 BIOS.
- OEM ID was defined as 86A in D-0000 power on BIOS. The correct OEM ID for Winterpark is 86B. It would cause iflash failure if you directly flash B00 BIOS on the top of D-0000 BIOS. Please use B00-0002 conversion files to do iflash. You need to copy all B00-0002.c* files PLUS B00-0002.SCV files onto floppy and run iflash as normal iflash procedure. It will automatically load B00-0002 BIOS onto flash part. If you already have D-0001 on you MB, you can use normal .bi files to do iflash.
- Added Serial redirection functionality.
- Synched up with the latest baseline code.
- It has turbo mode support in memory ref code. It should also support DDR 400.

Known Errata:

- Promise SATA not fully supported yet. Promise is working on development.
- This BIOS does not support Canterwood A2 stepping. BZ fab-b with A2 stepping will be built in next two weeks. We will release B01 BIOS to take care of this issue.

Notes to Validation:

- This release complies with the BIOS milestone schedule, revision 0.96.
- Please use 8Mb flash FWH.